

IN THE CLAIMS

Kindly cancel claims 2 and 3, without prejudice, and amend claims 1, 4, 5, 6, 8, 10 and 11 as shown in the following claim listing:

1. (currently amended) Device for scanning a track on a record carrier, the track comprising marks representing information, the device comprising

drive means for rotating the record carrier at a rotational frequency;

a head for scanning the track and generating a read signal,

a read unit for retrieving the information from the read signal,

a jitter detecting unit for detecting an amount of jitter in the read signal due to signal components corresponding to the marks,

tilt control means for compensating a tilt angle between the head and the record carrier, and

wobble means for providing a periodic wobble signal to the tilt control means, said wobble means being arranged for adjusting the periodical wobble signal in dependence of the rotational frequency,

the jitter detecting unit being arranged for generating a tilt error signal in dependence on the amount of jitter in the read signal and the wobble signal, and the tilt error signal being coupled to the tilt control means for constituting a tilt control loop.

2. (cancel)

3. (cancel)

4. (currently amended) Device as claimed in claim 2 1, wherein the device comprises drive means for rotating the record carrier at a rotation frequency and wherein the wobble means is arranged for establishing a predefined ratio between the rotation frequency and frequency of the periodical wobble signal, the ratio being predefined for separating tilt frequency components that are indicative of the tilt angle from difference frequency components between the rotation frequency and frequency of the periodical wobble signal.

5. (currently amended) Device as claimed in claim 4, wherein the predefined ratio between the rotation frequency and the periodical wobble signal is substantially equal to $(0.5 * n + 0.25)$, n being an integer ≥ 0 , ~~in particular the ratio being substantially equal to 0.75 or 1.25.~~

6. (currently amended) Device as claimed in claim 3 1, wherein the wobble means is arranged for detecting one of a multitude of ranges of rotation frequency and for adjusting the frequency of the periodical wobble signal to the detected range, ~~in particular for detecting a low speed mode or a high speed mode and correspondingly setting a ratio of substantially 1.25 or 0.75 between the rotation frequency and the frequency of the periodical wobble signal.~~

7. (original) Device as claimed in claim 1, wherein the jitter detecting unit is arranged for generating the tilt error signal by

detecting the amount of jitter in the read signal synchronously with the wobble signal.

8. (currently amended) Device as claimed in claim 1, wherein the jitter detecting unit comprises a filter unit for low pass filtering the tilt error signal, ~~in particular the low pass filter having at least one substantially zero transfer function at a difference frequency component between the rotation frequency and frequency of the periodical wobble signal.~~

9. (original) Device as claimed in claim 1, wherein the device comprises a write unit for recording information in the track via the head, and the tilt control means is arranged for reading a part of the track in or near the track to be recorded for determining a local tilt error signal and applying the local tilt error signal during subsequent recording.

10. (currently amended) Device as claimed in claim ~~10~~ 1, wherein the device comprises a video encoding unit for receiving video data and providing encoded video as information to be recorded.

11. (currently amended) Method of scanning a track on a record carrier, the track comprising marks representing information, the method comprising rotating the record carrier at a rotational frequency, scanning the track via a head for generating a read signal, detecting an amount of jitter in the read signal due to signal components corresponding to the marks, compensating a tilt angle between the head and the record carrier, providing a periodic wobble signal to wobble the tilt angle, adjusting the periodical wobble signal in dependence of the rotational frequency,

generating a tilt error signal in dependence on the amount of jitter in the read signal and the wobble signal, and compensating the tilt angle based on the tilt error signal.